

20030827.qrp v03\_n025.qrl.20030827

Date: Wed, 27 Aug 2003 19:03:05 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 3025

QRP-L Digest 3025

Topics covered in this issue include:

- 1) [156925] If Technology's Beyond Us, We Can Pretend It's not There  
by "Jeff Davis" <jeff@ke9v.com>
- 2) [156926] Fwd: 14th ORIGINAL-QRP-CONTEST comments  
by dl6aaf@t-online.de
- 3) [156927] More F/S items: QEX, QRP Quarterly  
by k7gt@comcast.net
- 4) [156928] 35 watt non inductive resistors  
by Rick McKee <kc8aon@juno.com>
- 5) [156929] Help with pot  
by "Rich Johnson" <rjohnson390@comcast.net>
- 6) [156930] Re: Bencher "Look Alikes"  
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
- 7) [156931] Re: Tallahassee Board?  
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
- 8) [156932] DDS/SMD notes  
by Peter Burbank <peterlee@qx.net>
- 9) [156933] Re: Help with pot  
by Garie Halstead K8KFJ <khyberpass65@yahoo.com>
- 10) [156934] Re: 35 watt non inductive resistors  
by "George Heron N2APB" <n2apb@erols.com>
- 11) [156935] Re: [Re: Bencher  
by Michael Goins <mgoins@usa.net>
- 12) [156936] FS: Drake W4 wattmeter  
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 13) [156937] Re: OT - Caught by pop-up  
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 14) [156938] Re: FRS radio question  
by "Lee Hopper" <leehopp@msn.com>
- 15) [156939] Re: Transistorized! on PBS tonight 9pm EST 10pm CST  
by Alex <kr1st@amsat.org>
- 16) [156940] Re: 35 watt non inductive resistors  
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 17) [156941] Wanted: Coax standoff arms for US Towers MA 550  
by Marv Fagenson <k6hcj@juno.com>
- 18) [156942] 1N34A diodes  
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 19) [156943] Re: 1N34A diodes

- by Chuck Adams <k7qo@commspeed.net>
- 20) [156944] Re: Benchner "Look Alikes"  
by "Tim" <kd5ckp@centurytel.net>
- 21) [156945] RE: 1N34A diodes  
by "Bob & Janet" <jbcraft@adelphia.net>
- 22) [156946] History of Ge (Germanium)  
by Brian <brian@iquest.net>
- 23) [156947] current transformers  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 24) [156948] Re: qrp-l searchable archives  
by Jim Eshleman <jce0@Lehigh.EDU>
- 25) [156949] Re: History of Ge (Germanium)  
by Dale Botkin <dale@botkin.org>
- 26) [156950] Sold: Brass Racer  
by Dale Botkin <dale@botkin.org>
- 27) [156951] software problem  
by "Joe W2KJ" <w2kj@bellsouth.net>
- 28) [156952] Re: software problem  
by Dale Botkin <dale@botkin.org>
- 29) [156953] Re: software problem  
by "Tom Crawford" <TMCsail@sbcglobal.net>
- 30) [156954] OT - simple converter to get 120 HZ AC for Synchronous motor.  
by Michael Pupeza <mpupeza@sympatico.ca>
- 31) [156955] re: software problem  
by "Joe W2KJ" <w2kj@bellsouth.net>
- 32) [156956] Re: software problem  
by w9ya <w9ya@arrl.net>
- 33) [156957] Re: OT - simple converter to get 120 HZ AC for Synchronous motor.  
by <igeq100@iupui.edu>

-----

Date: Tue, 26 Aug 2003 18:26:36 -0500  
From: "Jeff Davis" <jeff@ke9v.com>  
To: <qrp-l@lehigh.edu>  
Subject: [156925] If Technology's Beyond Us, We Can Pretend It's not There  
Message-ID: <001d01c36c29\$7f7ec820\$2b614bab@81PGN11DELL>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

QRPers,

There's an *\*excellent\** article in the Washington Post and available online that I'd like to recommend you read.

In it, the author laments that technology has taken us to a place where

technical understanding and competence, sadly, is no longer requisite. As an example, the computer in your car may make it run more efficiently, but few of us know what's really inside that "black box".

Amateur radio is also afflicted by the "black box" syndrome of technology--but in my humble opinion, homebrewers and QRPers remain the true "tinkerers" of the hobby...here is one of my favorite quotes from the article:

"Ironically, while our daily lives have never been more imbued with technology, we may have reached the height of our technological engagement as long ago as the 1920s with its generation of hands-on tinkerers. Machines were cruder then, but more open. Kids built crystal radio receivers and learned Morse code. Typists developed a touch and rhythm to match their machines. Driving meant grappling with clutches and chokes, and the curious took their cars apart to understand how they worked."

The article can be accessed online here:

<http://www.washingtonpost.com/wp-dyn/articles/A34960-2003Aug23.html>

I think most of you will enjoy it!

73, Jeff KE9V

-----  
Date: Wed, 27 Aug 2003 01:49:15 +0200 (CEST)  
From: dl6aaf@t-online.de  
To: qrp-l@lehigh.edu  
Subject: [156926] Fwd: 14th ORIGINAL-QRP-CONTEST comments  
Message-ID: <200308262349.h7QNnG501056@joringel.privnet.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

QRP-CONTEST-COMMUNITY (qrpcc)  
c/o Dr.Hartmut Weber, DJ7ST  
Schlesierweg 13  
D-38228 SALZGITTER  
Germany  
Tel.:++495341-50113

26th-Aug-2003

14th ORIGINAL-QRP-CONTEST (5/6th-July-2003) Soap Box  
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Dear OQRP-Contest friends,

as a first partial 14th OQRPC result here the participants' comments, representatively reflecting contest mood and QRP mindset on the first weekend of July. Informative reading!

- - - - -

81 years old but entry 0-QRPC, always! (GM4BKV)

A contest I don't want to miss - the only one I take part in, by the way. I'm looking forward to the next one (DL1AVD)

Condx are always fooling us in the summer. On Saturday I thought 40m had been prohibited lately, hi.

This was my 14th OQRP contest - who took part in more? (DL1HTX)

...looking forward to next OQRPC, hope to have my 20m TRX ready then (OZ9KC)

On Saturday I was the only radio amateur for 400-500km in any direction. Is a dead zone on 40m during daytime in the summer permitted at all? (DK3UZ)

I hope to be back next time with a better antenna, more time to operate and better conditions including lower noise. Keep up the good work! (G4HSO)

In this contest I employed a transceiver I actually built for QRP-MAS (55 parts) (DL2BXC)

...holidays on Atlantic coast, family and friends visited us - so I could not work full time in contest (F6ACD)

Unfortunately there was only time on sunday. It is amazing how well even VLP stations are being heard in this contest (DJ5KZ)

Erected a dipole on a 10m fibre pole especially for the OQRPC. Was fun as always, despite only a short participation (DL1RNN)

This time without mains, only a lead accumulator and a paraffin oil lamp. And it works, too! (DL6CGC)

On Saturday it was downright tedious to make QSOs. On Sunday propagation was quite normal (DL1ARH)

Very nice to meet a lot of old friends! (OZ3AAA)

... only 4 QSO with my brand-new Rockmite ... unfortunately almost no time, because QRL in T9 (T99RM = DL2JRM)

Contest was ok, not too much qrw (DJ9IE)

Because of travel preparations only 5 QSO - just the same:  
Taking part is what counts! (DJ3KK)

The worst propagation condx I have ever experienced in OQRPC (G0KRT)

... lots of fun with QRP/VLP, and the OQRP contest is a good opportunity  
to further the QRP idea, regardless of whether handmade or open (ON/DL1RPL)

Conditions were difficult for me. My aim: Taking part! (HB9JB0)

Nice contest, was real fun again (DL3AKF)

I made a special LX-pedition for the OQRPC...was an extra multiplier for  
many stations ... condx were very bad but we had a lot of pleasure  
(LX/ON6WJ)

Sorry to have no typical QRP-TRX yet but maybe in next OQRPC I will.  
Thank you for a very attractice contest (SP5GBJ)

During VHF/UHF-Contest (in OK POLNI DEN) I made 5 QSO in OQRPC (OK1DZD/p)

Couldn't stay until the end, sri - had a good time just the same (DK8SX)

A nice QRP weekend again, even though propagation wasn't that  
breathtaking - it didn't lessen the operator's pleasure (DF5LW)

Unfortunately the worst condx on 14MHz of the last fortnight (DL2DSD)

20m compensated the 80m failiure with short skip in DL (DJ5AA)

Strong rain "drowned" my GPA. Hung up an Inverted Vee for 20m ...  
Worked a little better at least (DL9CE)

QRN on 80m but many stn on 40&20. Again a very friendly QRP session (OK2BTT)

I like the competition ... trying to be the champ - that's it (DL8ABH/DL0HV)

Did not have too much time, had to see friends & to pack for a trip (PA9RZ)

QRP is even more fun than MP, but also more exhausting for the  
"filter in the ear" and the "decoder in the head" (DJ1KAI)

Great fun as always but conditions not as good as last year (ON6NW)

... only after 1000 on Sunday it went well on 20m (HB9RE)

This time I used the Pixie, as before in QRP-MAS ... really amazing,  
how far such a frugal design will get you (DL1SAN)

Using direct conversion in a contest is tedious after all.  
What one needs is a better selective ear (DK2KV)

Poor conditions. See you all in December (PA3FSC)

No Packet radio available, modem defect ... so log via snail mail (PA3HBX)

Five times a malicious short circuit struck my trx in the contest.  
Then I quit the race (DL8UAW)

This time I didn't feel like making it through the whole contest ...  
but my QSO partners shall have their full number of points (DJ1ZB)

Completely home made rig, from the key all the way to the antenna (DL2RT)

Like many other QRPers my hobby is more experimenting than making QSOs.  
But in this contest I could easily go along in CW. I was sorry that there  
were not more G-stns on the band this morning (PA3CRC)

Signals were weak, made only a few contacts (HB9HQX)

1w couldn't fight wobblulating and other QRM effectively (DL9QM)

The planned sequence of events was disturbed by the Tour de France.  
But all went quite well after all (DL1JGA)

The contest is losing class - heard stations unable to send their  
call sign error free (DL7VPE)

Due to other commitments very short time for this nice contest (PA0RB0)

Hope to hear all in the next contests (YL2GTD)

On Saturday rather mediocre, on Sunday good Europe & DL condx (DK5RY)

Later on good condx on 20m, and I couldn't resist increasing my 3w  
ODX considerably ... This was a completely new experience, the power  
of a bicycle headlamp got me half around the world ...! (DL1AZK)

In order to "crank up" the bands I operated under both DL00G and  
DJ2GL (DJ2GL)

Regrettably very little time, family festivities ... (DK1LG)

This time only a short term ... Attended a campers' meeting. Ant 6m vertical, counterpoise: random wire on the ground around the van (DF2SJ)

Always glad to see you keeping up QRP and homebrewing (DL7UWE)

... thanks for yet another fine contest! If only some wouldn't hurry so and at least wait for "final rogers" despite QSB and QRM ... (DL2ARL)

No QRN and many stations qrv. Until next OQRPC (DL2NH)

... hopefully sufficient to get into the top 30 (DL1BB0)

This is the second time I take part in this contest and again I'm astonished by its beauty ... an enjoyable contest! (I2AZ)

Can't wait for my "Rockmite pure" result (DJ6F0)

Was amazed by the good short skip propagation on 20m, thus VLP QSOs inside DL became possible (DL2HRF)

Almost missed the QRN this year, alas also the good conds of years gone by (DL6AAF)

High (local?) noise level on 20m, heard next to no stations. 40m behaved normally on my indoor mag-loop (2.2m/side, adjacent to a wall). Little heard and nothing worked on 80m. Said mag-loop's disadvantage (DL8LRZ)

Very good conds, had fun (DM3SWD)

I have observed not very good conditions because I have heard a few DX stations only (OK1DMP)

I preferred to spend my time to good conditions on 50 Mhz, therefore only a small amount of time left for the Original QRP Contest (PA0FEI)

- - - - -

agn mni tks fer translating DL into G to Eddi, DK3UZ!

73/2 "Hal", DJ7ST

-----

Date: Wed, 27 Aug 2003 00:34:05 +0000

From: k7gt@comcast.net

To: qrp-l@lehigh.edu

Subject: [156927] More F/S items: QEX, QRP Quarterly

Message-ID: <200308270038.h7R0c71X000665@rain.CC.Lehigh.EDU>

F/S QEX issues 7/8/2000, 9/10/2000, 11/12/2000, 1/2/2001 Make offer

QRP Quarterly 4/95, 7/95, 1/98, 4/98, 7/98, 10/98, 1/99, 4/99, 7/99, 10/99,  
1/2000, 4/2000, 7/2000, 10/2000 Make offer

FDIM 99, 2000 Make offer

Pacificon 98, 99 make offer  
Atlanticon 2000 make offer

White rook paddle/key does anyone want this??

The Paddlette paddles noted earlier: one is a BP and one is PK1, each with  
the knee mount. No firm offers yet.

73 GT

--

Allan K7GT

Pleasanton CA

-----

Date: Tue, 26 Aug 2003 20:48:44 -0400  
From: Rick McKee <kc8aon@juno.com>  
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU  
Subject: [156928] 35 watt non inductive resistors  
Message-ID: <20030826.204852.9238.0.kc8aon@juno.com>

I noticed in the Mouser catalog that Ohmite makes 35 watt non inductive  
resistors in a T0-220 style case, and noticed that they come in 51 ohm  
value. These would make great resistors to use in resistive swr bridges  
to use with some of the 10 watt SSB/CW rigs so that the rig is looking at  
a matched load during tune up. Would also make a good QRP dummy load  
without taking up very much room. Has anyone used this type of resistor  
in similar applications ?

The Mouser stock no is: #588-TCH35P-51 and are a bit pricey at \$5.66  
each for quantities up to 25 just in case anyone is interested.

And NO, I don't work for, own stock in, or have ANY financial interest in  
Mouser !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl  
SW 40+, Norcal Cascade, Yaesu FT-7,



Homebrew 6V6 tube TX & Hallicrafters SW500 RX  
QRP-L #2112, FPqrp #33, AR QRP AmQRP  
I'll give up CW when I'm dead ! MAYBE !

-----  
The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Tue, 26 Aug 2003 18:44:48 -0700  
From: "Rich Johnson" <rjohnson390@comcast.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [156929] Help with pot  
Message-ID: <004001c36c3c\$cd294f60\$f877d30c@END0EB86CD98A1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Please recommend a front panel 500 ohms, audio pots as would be used for the  
miniR2.

I am finding to much at Digikey and Mouser but not what i need.

Thanks...cheers,  
rich

-----  
Date: Tue, 26 Aug 2003 22:22:23 -0400  
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,  
      kd5ckp@qsl.net  
Subject: [156930] Re: Bencher "Look Alikes"  
Message-ID: <3F4BDD9F.7126.7206DF@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

I think that Marshall Emm was selling a Chinese Bencher knock-off at one time.  
Also  
the MFJ paddle has a faint hint of Bencher but closer examination reveals  
significant

differences.

Henry

On 26 Aug 2003 at 11:39, Tim wrote:

> What manufacturers have produced BY-1 & BY-2 look alike?  
> Can you point me to images of their products?  
>  
> I have a BY-2 that has a Bencher Sticker on it, but have been told  
> that Bencher does not produce such a design.  
>  
> tu es 73  
> Tim KD5CKP  
>  
>

-----  
Date: Tue, 26 Aug 2003 22:22:23 -0400  
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,  
n4xy@earthlink.net  
Subject: [156931] Re: Tallahassee Board?  
Message-ID: <3F4BDD9F.20714.7204D8@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Tnx to everybody for your input.

This was supposed to be an attempt at humor. If you drill holes in a Pittsburg board,  
you wind up with a normal plain old circuit board suitable for through hole mounting.

On 26 Aug 2003 at 15:14, Ed Tanton wrote:

> Save yourself all that trouble Henry... just put a blob of solder on  
> the pad and tack the component end to it. The thru-hole thing will  
> allow the component mounted through the hole to short to the larger  
> piece you're using for a base-and presumably for a ground.  
>  
> >I am planning on drilling holes in the appropriate Pittsburg mounting  
> >pads so as to enable through hole mounting of components.This

> >technique is also easily transferable to "Atlanta" style  
> >construction.  
>  
> 73 Ed Tanton N4XY <n4xy@earthlink.net>  
>  
> Ed Tanton N4XY  
> 189 Pioneer Trail  
> Marietta, GA 30068-3466  
>  
> website: <http://www.n4xy.com>  
>  
> All emails <IN> & <OUT> checked by  
> Norton AntiVirus with AutoProtect  
>  
> LM: ARRL QCWA AMSAT & INDEXA;  
> SEDXC NCDXA GACW QRP-ARCI  
> OK-QRP QRP-L #758 K2 (FT) #00057  
>  
> -----  
> "He that gives up a little liberty to gain  
> temporary security will lose both and  
> deserve neither".  
> --Benjamin Franklin  
>  
> "Suppose you were an idiot ...  
> and suppose you were a member of  
> Congress... but I repeat myself."  
> --Mark Twain  
> -----  
>  
>  
>

-----  
Date: Tue, 26 Aug 2003 23:27:08 -0400  
From: Peter Burbank <peterlee@qx.net>  
To: qrp-l@lehigh.edu  
Subject: [156932] DDS/SMD notes  
Message-ID: <5.2.0.9.0.20030826230855.00a0c4e0@mail.qx.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I read N0RC's build it notes and they are helping a lot in the SMD department. I found an old GC bottle of flux (rosin and alcohol by the smell) and it is pretty sticky. That should help a lot.

I did not have any .015" solder so flattened some .031 and cut it lengthwise...works fine.  
One thing I would suggest is opening these tiny packages inside of a baggy. Some of the little chips try to escape never to be seen again. The floor under my workbench is cleaner than it has been in years after hunting for one of the .1s that leaped out.  
All hints are appreciated.  
73  
Pete NV4V

-----  
Date: Tue, 26 Aug 2003 20:41:16 -0700 (PDT)  
From: Garie Halstead K8KFJ <khyberpass65@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [156933] Re: Help with pot  
Message-ID: <20030827034116.49257.qmail@web80512.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

You might wanna change that one word in your subject line.  
It might throw up a red flag with the DEA dudes. HI

72, Gary -K8KFJ-  
Law Enforcement retiree

-----  
Do you Yahoo!?  
Yahoo! SiteBuilder - Free, easy-to-use web site design software  
<http://sitebuilder.yahoo.com>

-----  
Date: Tue, 26 Aug 2003 23:55:02 -0400  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [156934] Re: 35 watt non inductive resistors  
Message-ID: <00bb01c36c4f\$0087ecb0\$81c23ad0@GH001188>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

The NJQRP bought a large qty of these real nifty parts for QRPers several years ago. We got the lead on it from master craftsman and Hall of Fame

member Jim Kortge, K8IQY who used them in his 4017 Transverter project.

You can see the T0-220 packaged resistor in the photo labeled "TR1/TR2/Attn/RFSwitch/Transmit Strip" at the 4017 "Kit Notes" web page (<http://www.njqrp.org/4017/kitnotes.html> ). The original project web page is at <http://www.njqrp.org/4017/index.html> .

For the money, it's a great part to make a simple QRP (and more) dummy load.

73, George N2APB

-----  
Date: Tue, 26 Aug 2003 23:33:57 -0500  
From: Michael Goins <mgoins@usa.net>  
To: <qrp-l@lehigh.edu>  
Subject: [156935] Re: [Re: Bencher  
Message-ID: <989HHAeh60768S03.1061958837@uwdvg003.cms.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

On 26 Aug 2003 at 11:39, Tim wrote:

> What manufacturers have produced BY-1 & BY-2 look alike?  
> Can you point me to images of their products?  
> =

> I have a BY-2 that has a Bencher Sticker on it, but have been told  
> that Bencher does not produce such a design.  
> =

> tu es 73  
> Tim KD5CKP  
-----

I have two benchers - a single paddle and a double paddle - and both have the stickers on them and are "real." Don't know who told you that, but ain't true.

72,  
mike

k5wmg (formerly wb5yjx)  
100% Solar station: SW20+, SW30+, NE4040, RockMite40  
QRP-ARCI 3922 (former managing editor, QRP Quarterly), =

SOC 54, Flying Pig 447, QRP-L 2130, Adventure Radio 810,  
Alaska QRP 514, QCWA 30857, AMQRP

-----  
Date: Wed, 27 Aug 2003 01:43:59 -0400 (EDT)  
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [156936] FS: Drake W4 wattmeter  
Message-ID: <Pine.LNX.4.44.0308270142070.2105-1000000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Excellent condition Drake W4 wattmeter. Large scale, 200/2000 watts  
(don't know if it's easily modifiable for QRP, but it's just a  
passive meter, so how hard can it be to alter it, right?).

Fwd/ref measurements, classic Drake black cabinet. Remotable sensor.

\$75/offer.

Thanks,

Scott N7JI

--  
Scott Rosenfeld ARS N7JI  
541-684-9970 Eugene, OR Land o' much rain  
If you find me on the air, I'm probably in my car  
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

-----  
Date: Wed, 27 Aug 2003 07:22:54 -0400 (EDT)  
From: Thom LaCosta <baltimoremd@baltimoremd.com>  
To: Paul <pswarman@screaming.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [156937] Re: OT - Caught by pop-up

Message-ID: <20030827072020.H76712-100000@unix1.vhost.min.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 26 Aug 2003, Paul wrote:

> I am uncertain of his legal position in this respect and I'd truly value any  
> advice that can be given. Please respond to pswarman@screaming.net

First thing I would do is call the card company and initiate a protest of the charge. Then, the charge is placed on hold while the card company communicates with the vendor.

Although it's not a sure thing, I've saved lots of money over the years in having charges reversed.

Good luck

Thom

baltimoremd@baltimoremd.com  
<http://www.baltimoremd.com/>  
<http://www.baltimorehon.com/>  
<http://www.zerobeat.net>  
<http://www.tlchost.net>

Thom LaCosta K3HRN Webmaster  
Baltimore's Home Page  
Home of the Baltimore Lexicon  
Home of The QRP Web Ring and DrakeList  
Web Hosting as low as \$3.49/month

-----  
Date: Wed, 27 Aug 2003 04:41:30 -0700  
From: "Lee Hopper" <leehopp@msn.com>  
To: "Posting to the list QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [156938] Re: FRS radio question  
Message-ID: <BAY4-DAV8R77bieLYCT00027e2a@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks to all that responded. Consensus is the error code means PLL is UnLocked - pointing to a damaged/broken component.

Practical advice says take it back, which I will do - hope they have one to swap.

73 -

LH

-----  
Date: Wed, 27 Aug 2003 07:48:07 -0400  
From: Alex <kr1st@amsat.org>  
To: nkennedy@tcainternet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [156939] Re: Transistorized! on PBS tonight 9pm EST 10pm CST  
Message-ID: <3F4C9A77.F56C6B7E@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hi Nick,

I did notice that too and should have made mention of that. When I saw the times I figured that perhaps the time difference was caused by the donation weeks they're having right now . Nothing runs at the usual times then. Now that I think of it, there was no solicitation for donations in between programs, so it might be over for now.

Thanks for correcting me!

73,  
--Alex KR1ST

Nick Kennedy wrote:

>  
> I would get on your case for having CST ahead of EST, but I see that the  
> info came right from the PBS web site.  
>  
> Here in AR (CDST), it will be on PBS tonight at 8 PM.  
>  
> 72--Nick, WA5BDU  
>  
> ... or maybe the world has started turning the other direction? It's the  
> Martians!

-----  
Date: Wed, 27 Aug 2003 08:16:45 -0400  
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>  
To: kc8aon@juno.com  
Cc: qrp-l@lehigh.edu  
Subject: [156940] Re: 35 watt non inductive resistors  
Message-ID: <5.2.0.9.1.20030827081458.027485c0@pop.prodigy.yahoo.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed



At 08:48 PM 8/26/2003 -0400, kc8aon wrote:

>I noticed in the Mouser catalog that Ohmite makes 35 watt non inductive  
>resistors in a T0-220 style case, and noticed that they come in 51 ohm  
>value. These would make great resistors to use in resistive swr bridges  
>to use with some of the 10 watt SSB/CW rigs so that the rig is looking at  
>a matched load during tune up. Would also make a good QRP dummy load  
>without taking up very much room. Has anyone used this type of resistor  
>in similar applications ?

Sort of. I used the 43 ohm version of that resistor in the input  
attenuator of the 4017 transverter, to dissipate some of the  
input driving power. They work great.

72,

Jim, K8IQY

-----  
Date: Wed, 27 Aug 2003 08:39:03 -0700  
From: Marv Fagenson <k6hcj@juno.com>  
To: qrp-l@Lehigh.edu  
Subject: [156941] Wanted: Coax standoff arms for US Towers MA 550  
Message-ID: <20030827.083904.-1768223.1.k6hcj@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Looking for a few CX-3M Coax standoff arms for US Towers MA  
550/Tristao/Wilson Tower.  
Tnx,  
Marv Fagenson  
k6hcj@Juno.com

-----  
The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!  
-----

Date: Wed, 27 Aug 2003 10:41:43 -0500

From: Jim Giammanco <giamman@rouge.phys.lsu.edu>  
To: qrp-1@lehigh.edu  
Subject: [156942] 1N34A diodes  
Message-ID: <3.0.1.32.20030827104143.008adca0@baton.phys.lsu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Attention crystal set builders and SWR meter makers

Just got a catalog flyer (Fall/Winter) from Circuit Specialists  
<<http://www.circuitspecialists.com>> and at the top of page 68 there are  
1N34A diodes at \$0.16 ea 10+, and \$0.14 ea 100+. Seems like that's about as  
good as I've seen them since RS quit offering their 10-for-a-buck pak.

Standard disclaimer... no pecuniary interest ... etc...

72  
Jim N5IB

-----  
Date: Wed, 27 Aug 2003 17:09:47 +0100  
From: Chuck Adams <k7qo@commspeed.net>  
To: giamman@rouge.phys.lsu.edu,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [156943] Re: 1N34A diodes  
Message-ID: <5.2.1.1.0.20030827170631.01cb3c08@mail.commspeed.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:41 AM 8/27/2003 -0500, Jim Giammanco wrote:  
>Attention crystal set builders and SWR meter makers  
>  
>Just got a catalog flyer (Fall/Winter) from Circuit Specialists  
><<http://www.circuitspecialists.com>> and at the top of page 68 there are  
>1N34A diodes at \$0.16 ea 10+, and \$0.14 ea 100+. Seems like that's about as  
>good as I've seen them since RS quit offering their 10-for-a-buck pak.  
>  
>Standard disclaimer... no pecuniary interest ... etc...  
>  
>72  
>Jim N5IB

I just got email this a.m. from

<http://www.americanmicrosemi.com>

They have the following Ge diodes at these prices:

1N34A \$0.18 ea  
1N60 \$0.17 ea  
1N270 \$0.25 ea

I don't know about quantity discounting. I did find out they have no SPICE models on these.

There must have been a special surge in interest in Ge diodes. :-)  
If my memory has not totally failed, the last I heard there is still only one place on this planet where Ge is found.

FYI

Chuck Adams K7QO k7qo@commspeed.net  
<http://www.qsl.net/k7qo> CP-60

-----  
Date: Wed, 27 Aug 2003 11:58:56 -0500  
From: "Tim" <kd5ckp@centurytel.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [156944] Re: Bencher "Look Alikes"  
Message-ID: <00ef01c36cbc\$815b4680\$0101a8c0@tech1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
 charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Sorry about that folks ...

Shortly after making this post my ISP decided to black list qsl.net email aliases or something.

If you replied to me in reference to the Bencher question I completely missed it ...

The paddle in question is the chrome based "Bencher" shown in the images at <http://www.qsl.net/kd5ckp/Bencher/>

I was told that this could NOT be a Bencher because Bencher never produced a paddle like this, but I also found this [www.7j3aab.com/bencher.asp](http://www.7j3aab.com/bencher.asp) . I am

not arguing the point I simply would like to know who did produce it if it is not a Bencher and why did the previous owner (SK) put a Bencher logo on it.

Opinions and/or information is appreciated.

73  
Tim

----- Original Message -----

From: "Tim" <kd5ckp@centurytel.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Tuesday, August 26, 2003 11:39 AM  
Subject: Bencher "Look Alikes"

> What manufacturers have produced BY-1 & BY-2 look alike?  
> Can you point me to images of their products?  
>  
> I have a BY-2 that has a Bencher Sticker on it, but have been told that  
> Bencher does not produce such a design.  
>  
> tu es 73  
> Tim KD5CKP  
>  
>

-----  
Date: Wed, 27 Aug 2003 12:59:40 -0400  
From: "Bob & Janet" <jbcraft@adelphia.net>  
To: <giamman@rouge.phys.lsu.edu>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [156945] RE: 1N34A diodes  
Message-ID: <AGEJJBFLPLHMOECFDINOAEAODAAA.jbcraft@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I bought out a parts supplier, and I have HUNDREDS of OLD semiconductors... 1N34A, 1N270, 1n4000 series diodes, TIP121, a list too long AND a list that I have not been able to complete due to lack of time to compile it... BUT, I do have 1N34a's in original GE parts packs and reeled.

Let me know what you need.

Bob K8YS

-----  
Date: Wed, 27 Aug 2003 12:06:35 -0500  
From: Brian <brian@iquest.net>  
To: "" <qrp-1@lehigh.edu>  
Subject: [156946] History of Ge (Germanium)  
Message-ID: <1062003995.3f4ce51b90c0f@webmail.iquest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit

(L. Germania, Germany) Predicted by Mendeleev in 1871 as ekasilicon, and discovered by Winkler in 1886. The metal is found in argyrodite, a sulfide of germanium and silver; in germanite, which contains 8% of the element; in zinc ores; in coal; and in other minerals. The element is frequently obtained commercially from the dusts of smelters processing zinc ores, and has been recovered from the by-products of combustion of certain coals. Its presence in coal insures a large reserve of the element in the years to come. Germanium can be separated from other metals by fractional distillation of its volatile tetrachloride. The techniques permit the production of germanium of ultra-high purity. The element is a gray-white metalloid, and in its pure state is crystalline and brittle, retaining its luster in air at room temperature. It is a very important semiconductor material. Zone-refining techniques have led to production of crystalline germanium for semiconductor use with an impurity of only one part in  $10^{10}$ . Doped with arsenic, gallium, or other elements, it is used as a transistor element in thousands of electronic applications. Its application as a semiconductor element now provides the largest use for germanium. Germanium is also finding many other applications including use as an alloying agent, as a phosphor in fluorescent lamps, and as a catalyst. Germanium and germanium oxide are transparent to the infrared and are used in infrared spectrometers and other optical equipment, including extremely sensitive infrared detectors. Germanium oxide's high index of refraction and dispersion has made it useful as a component of glasses used in wide-angle camera lenses and microscope objectives. The field of organogermanium chemistry is becoming increasingly important. Certain germanium compounds have a low mammalian toxicity, but a marked activity against certain bacteria, which makes them of interest as chemotherapeutic agents. The cost of germanium is about \$3/g.

-----  
Date: Wed, 27 Aug 2003 12:46:07 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-1@Lehigh.EDU>  
Subject: [156947] current transformers  
Message-ID: <000b01c36cc3\$185d3510\$4e100a0a@rohredt2000>

I believe we have in the lab a Fluke brand current transformer that can be used with 10 meg ohm input impedance meters or 1 meg ohm input analog scopes. It is rated to 10 MHz. The EMC-RFI market has several firms making both clamp on (split) probes and transformers that you run the wire thru the center of the core. A google.com search for RFI-EMC current measurement should turn up sources.

-Stuart K5KVH

-----  
Date: Wed, 27 Aug 2003 14:27:21 -0400  
From: Jim Eshleman <jce0@Lehigh.EDU>  
To: George Fremin III <geoiiii@kkn.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [156948] Re: qrp-1 searchable archives  
Message-ID: <3F4CF809.6000304@Lehigh.EDU>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Hi George,

Excellent, looks great! I'll be migrating to a new MLM in the not too distant future at which time I'd like to setup searchable archives, so I'll take a closer look at Namazu. Maybe we could just take what you have there and drop it in. Looks like there's a few bogus dates in there. I did clean-up the headers a bit in the archives from the think.com and netcom.com days (1993-1995) but haven't touched them since...

Cc'ing this to the list. Let me know if the load is too much and we could set it up here sooner.

73  
Jim N3VXI

> I created an archive here:  
>  
> <http://www.kkn.net/archives/html/QRP-L/>  
>  
> It is searchable and it updates every hour  
> from the new incoming email.  
>  
> You are welcome to point people to it or if  
> you want I can help you get something like this  
> up and running on the machine that is running qrp-l.  
>  
>

-----  
Date: Wed, 27 Aug 2003 13:27:02 -0500 (CDT)  
From: Dale Botkin <dale@botkin.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [156949] Re: History of Ge (Germanium)  
Message-ID: <Pine.LNX.4.33.0308271326180.30105-1000000@madmax.botkin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Several sources, it mostly comes from zinc mines as a by-product.

<http://minerals.usgs.gov/minerals/pubs/mcs/2003/mcs2003.pdf>

72,  
Dale - NOXAS

--  
It's a thankless job, but I've got a lot of Karma to burn off.  
PicoKeyer is available for the Rock-Mite! <http://www.hamgadgets.com>

-----  
Date: Wed, 27 Aug 2003 13:38:32 -0500 (CDT)  
From: Dale Botkin <dale@botkin.org>  
To: QRP list <qrp-l@Lehigh.EDU>  
Subject: [156950] Sold: Brass Racer  
Message-ID: <Pine.LNX.4.33.0308271337320.30105-1000000@madmax.botkin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for the responses, the Brass Racer has found a new home. Now I wish I had three more. 8-)

72,

Dale - N0XAS

--

It's a thankless job, but I've got a lot of Karma to burn off.  
PicoKeyer is available for the Rock-Mite! <http://www.hamgadgets.com>

-----  
Date: Wed, 27 Aug 2003 15:27:15 -0400  
From: "Joe W2KJ" <w2kj@bellsouth.net>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [156951] software problem  
Message-ID: <001501c36cd1\$39639ca0\$220110ac@gateway.2wire.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy Gang:

Having a problem loading new FLASH updates to my ARGOV QRP  
transceiver.

It appears that my laptop computer is not talking properly to  
my radio. I am running a Dell/700Mhz using Windows ME  
software.

I have successfully downloaded FLASH updates to my ArgoV using  
a desktop in another room running Windows XP.

I conclude that there is some kind of software bug in my  
laptop with ME and TenTec has confirmed problems with ME and  
FLASH downloads.

My question is can I load XP onto my laptop using the CD that  
came with my desktop or is that some kind of violation with  
Bill Gates/Windows that they will only allow me to use the XP  
on one machine in my house at a time???

I can drag my Orion over to the desktop for downloads but that  
is a big pain to do.

Appreciate any thoughts/info on this problem....I really don't  
want to have to spend additional funds to upgrade my laptop to  
XP.

73, Joe W2KJ



-----  
Date: Wed, 27 Aug 2003 14:59:49 -0500 (CDT)  
From: Dale Botkin <dale@botkin.org>  
To: Joe W2KJ <w2kj@bellsouth.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [156952] Re: software problem  
Message-ID: <Pine.LNX.4.33.0308271455490.30316-100000@madmax.botkin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 27 Aug 2003, Joe W2KJ wrote:

> Having a problem loading new FLASH updates to my ARGOV QRP  
> transceiver.

I have had problems with some laptop serial ports -- many do not meet EIA-232C specs for voltage, and will work with most serial devices but not all. Some only use 0V to +3 or other "kinda but not quite" levels. If your Argo is picky about voltage swings on the serial port, that could do it.

My IBM laptop, for example, will talk to a Cisco switch or router via the serial port ONLY if it's plugged in to AC power - not on battery. It won't talk to one brand of terminal server at all, but most stuff deals with it just fine.

As for XP - I personally would never install it anywhere, for any reason, and what you're asking about is one reason why.

72,  
Dale - N0XAS

--  
It's a thankless job, but I've got a lot of Karma to burn off.  
PicoKeyer is available for the Rock-Mite! <http://www.hamgadgets.com>

-----  
Date: Wed, 27 Aug 2003 16:17:08 -0400  
From: "Tom Crawford" <TMCsail@sbcglobal.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [156953] Re: software problem  
Message-ID: <000e01c36cd8\$31502ea0\$0300a8c0@TOM>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Joe,  
XP was the first edition of Windows with real copy protection. You just can not make it happen.  
It must be allowed to connect to the internet to register itself and when it does, it will find that that CD has already been used and installed on another computer.

Can you try running the laptop in W98 emulation mode??? I've grown a little fuzzy on ME 'cause I didn't stay with that version very long.

Maybe others can comment on that possibility.

best of luck.

Tom  
W3TMC

----- Original Message -----

From: "Joe W2KJ" <w2kj@bellsouth.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, August 27, 2003 3:27 PM  
Subject: software problem

> Howdy Gang:  
>  
> Having a problem loading new FLASH updates to my ARGOV QRP  
> transceiver.  
>  
> It appears that my laptop computer is not talking properly to  
> my radio. I am running a Dell/700Mhz using Windows ME  
> software.  
>  
> I have successfully downloaded FLASH updates to my ArgoV using  
> a desktop in another room running Windows XP.  
>  
> I conclude that there is some kind of software bug in my  
> laptop with ME and TenTec has confirmed problems with ME and  
> FLASH downloads.  
>  
> My question is can I load XP onto my laptop using the CD that  
> came with my desktop or is that some kind of violation with  
> Bill Gates/Windows that they will only allow me to use the XP  
> on one machine in my house at a time???

>  
> I can drag my Orion over to the desktop for downloads but that  
> is a big pain to do.  
>  
> Appreciate any thoughts/info on this problem....I really don't  
> want to have to spend additional funds to upgrade my laptop to  
> XP.  
>  
> 73, Joe W2KJ  
>  
>

-----  
Date: Wed, 27 Aug 2003 17:08:55 -0400  
From: Michael Pupeza <mpupeza@sympatico.ca>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [156954] OT - simple converter to get 120 HZ AC for Synchronous motor.  
Message-ID: <BB729624.16FDD%mpupeza@sympatico.ca>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Hi Gang,  
Slightly OT but here goes.  
I want to simply get 110 VAC 120Hz to run my telescope Synchronous Motor at  
2X speed for fine adjusting. I can shut it off for going the other way,  
since it is my tracking Right Ascension drive.  
I had seen Telephone Ringing Generators that produced 20 Hz for Bell  
Ringing, that seemed to be just coils and capacitors - all passive.  
It seems to me, that, somehow, using transformers, coils, caps, maybe  
diodes, it should be possible to get 120 HZ from the 60 Hz AC. I know that a  
full wave bridge rectifier will give a 120 Hz signal, although it is all  
half sine waves. If that could be shaped and DC blocking applied, maybe it  
would work.  
I realize that I could build an inverter from scratch, but thought that a  
simpler way is possible. I need about 6 Watts!

So, any ideas out there?

73  
Mike VE3EQP.....>

-----  
Date: Wed, 27 Aug 2003 17:25:36 -0400

From: "Joe W2KJ" <w2kj@bellsouth.net>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [156955] re: software problem  
Message-ID: <003601c36ce1\$c2a8f540\$220110ac@gateway.2wire.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy Gang:

Many thanks for all the responses to my previous posting about software problems in loading FLASH updates to my TenTec gear.

It was pointed that Microsoft only allows loading XP into one computer in your home.

Suppose that computer fails and you junk it and want to load XP into another machine in your house.....do you have to go out and buy NEW software again for your second computer???

73, Joe W2KJ

-----  
Date: Wed, 27 Aug 2003 16:40:03 -0500  
From: w9ya <w9ya@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [156956] Re: software problem  
Message-ID: <200308271640.03416.w9ya@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

On Wednesday 27 August 2003 03:17 pm, Tom Crawford wrote:

> Joe,  
> XP was the first edition of Windows with real copy protection. You just can  
> not make it happen.  
> It must be allowed to connect to the internet to register itself and when  
> it does, it will find that that CD has already been used and installed on  
> another computer.

Well the cd's are all the same for any version of (Microsoft) windows.

Actually it is the registration number which Microsoft looks for/at that can only be used with one machine. There are no exceptions unless you have a "dealers' license" or a special dealers registration number or a special group number. This seems not to be the case here, as one would know of this.

As of about two years ago or so, these individual registration numbers are tracked to actual installed hardware, so Microsoft can tell at any time what is going on. In some cases it is possible to track chip/hard drive/other hardware's serial numbers for those that try to circumvent the hardware tracking by using two machines with the same hardware mix.

All in all, you might just be happier installing linux, as this level of "software piracy protection" doesn't exist.

Vy 72;

Bob  
w9ya

>  
> Can you try running the laptop in W98 emulation mode??? I've grown a little  
> fuzzy on ME 'cause I didn't stay with that version very long.  
>  
> Maybe others can comment on that possibility.  
>  
> best of luck.  
> Tom  
> W3TMC  
>  
> ----- Original Message -----  
> From: "Joe W2KJ" <w2kj@bellsouth.net>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Wednesday, August 27, 2003 3:27 PM  
> Subject: software problem  
>  
> > Howdy Gang:  
> >  
> > Having a problem loading new FLASH updates to my ARGOV QRP  
> > transceiver.  
> >  
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> > Bill Gates/Windows that they will only allow me to use the XP  
> > on one machine in my house at a time???  
> >  
> > I can drag my Orion over to the desktop for downloads but that  
> > is a big pain to do.  
> >  
> > Appreciate any thoughts/info on this problem....I really don't  
> > want to have to spend additional funds to upgrade my laptop to  
> > XP.  
> >  
> > 73, Joe W2KJ

-----  
Date: Wed, 27 Aug 2003 17:07:28 -0500 (EST)  
From: <igeq100@iupui.edu>  
To: Michael Pupeza <mpupeza@sympatico.ca>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [156957] Re: OT - simple converter to get 120 HZ AC for Synchronous motor.  
Message-ID: <Pine.GS0.3.96.1030827170158.9315A-100000@jade.iupui.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Mike -

In my youth, I worked for an induction furnace company called Inductotherm (which is still going strong). They made (still make) a furnace system called Linemelt. I believe that it uses 60 Hz three-phase AC and a bunch of inductors and capacitors to at least triple that frequency, and in the 60's it was a purely passive system, to the best of my knowledge. There are also units on the market that synthesize three-phase current from single phase. But in the long run, you might be best off generating your own 120 Hz sine wave and amplifying it.

Just a thought.

72,  
Rich, WB9LPU

On Wed, 27 Aug 2003, Michael Pupeza wrote:

> Hi Gang,  
> Slightly OT but here goes.  
> I want to simply get 110 VAC 120Hz to run my telescope Synchronous Motor at  
> 2X speed for fine adjusting. I can shut it off for going the other way,  
> since it is my tracking Right Ascension drive.  
> I had seen Telephone Ringing Generators that produced 20 Hz for Bell  
> Ringing, that seemed to be just coils and capacitors - all passive.  
> It seems to me, that, somehow, using transformers, coils, caps, maybe  
> diodes, it should be possible to get 120 HZ from the 60 Hz AC. I know that a  
> full wave bridge rectifier will give a 120 Hz signal, although it is all  
> half sine waves. If that could be shaped and DC blocking applied, maybe it  
> would work.  
> I realize that I could build an inverter from scratch, but thought that a  
> simpler way is possible. I need about 6 Watts!  
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> So, any ideas out there?  
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> 73  
> Mike VE3EQP.....>  
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End of QRP-L Digest 3025

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